TD 3.11L:983

Summary of Accidents Investigated by the Federal Railroad Administration

Calendar Year 1983

May 1985

IES 71
ORIGINAL
COMPLETED
92

TABLE OF CONTENTS

	Page
INTRODUCTION	i
ACCIDENT SUMMARY	iii
ACCIDENT SUMMARY BY TRACK CLASS, DAMAGES, TYPE AND CAUSE.	iv
INVOLVEMENT OF TRAIN ACCIDENTS BY RAILROAD, TYPE, AND CAUSE (Total figures varing due to duplicate reporting).	v
ACCIDENT LOCATION.	vi
ACCIDENT INVESTIGATION REPORTS	1

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INTRODUCTION

The 1983 Summary of Accidents Investigated by the Federal Railroad Administration (FRA) includes 113 railroad accidents.

This summary provides the following information:

- the railroad(s) involved
- the location and the time of the accident
- the type of railroad accident
- the method of operation and movements involved
- the speed involved
- the type and class of track
- the number of casualties
- the estimated cost of railroad damages
- the probable cause and any contributing factor(s).

The railroad codes used in this summary can be found in the FRA Guide for Preparing Accident/Incident Reports Appendix A.

Estimated railroad damage includes labor cost, and all other costs to repair or replace damaged on-track equipment, signals, track, track structures, or roadbed. The cost of lading and clearing the wreck, as well as the cost to society, is not included.

The data were edited and summarized by FRA personnel. The United States Government assumes no liability for its contents or use.

Federal Railroad Administration
Office of Safety, RRS-22
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Washington, D.C. 20590

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ACCIDENT SUMMARY

1. Accidents Investigated

During Calendar Year 1983, The Federal Railroad Administration investigated and determined the probable cause of 113 railroad accidents.

2. Type of Accident	No.	Percent
(a) Derailment	61	54.0
(b) Head-End Collision	10	8.8
(c) Rear-End Collision	13	11.5
(d) Side Collision	3	2.6
(e) Raking	1	0.9
(f) Broken Train Collision	2	1.8
(g) Rail-Highway Crossing	16	14.2
(h) RR Grade Crossing	1	0.9
(i) Obstruction	5	4.4
(j) Other	1	0.9
Total	113	100.0

3. Accident Cause		
(a) Track Roadbed and Structure	24	21.2
(b) Mechanical and Electrical Failure	20	17.7
(c) Train Operation-Human Factor	43	38.2
(d) Miscellaneous	26	23.0
Total	113	100.0

4. Casualties	No.
(a) Killed	36
(b) Injured	544
Total	580

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ACCIDENT SUMMARY BY TRACK CLASS, DAMAGES, TYPE AND CAUSE

TRACK CLASS	ACCIDENTS	TOTAL DAMAGE	EQUIPMENT DAMAGE	TRACK DAMAGE	COLLISIONS	DERAILMENTS	OTHER ACCIDENTS	TRACK CAUSED	EQUIPMENT FAILURE	HUMAN FACTORS	OTHER CAUSES
1	11	$1,165,800	$1,080,200	$85,600	5	6	---	3	1	6	1
2	26	$5,333,189	$4,809,185	$524,004	6	16	4	3	4	12	7
3	27	$9,849,260	$8,873,970	$975,290	8	13	6	4	4	12	7
4	41	$29,080,802	$26,530,231	$2,550,571	9	22	10	12	8	8	13
5	7	$1,543,294	$1,250,674	$292,620	1	4	2	2	2	1	2
6	1	$0	$0	$0	1	---	---	---	---	1	---
TOTAL	113	$46,972,345	$42,544,260	$4,428,085	30	61	22	24	19	40	30

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INVOLVEMENT OF TRAIN ACCIDENTS BY RAILROAD, TYPE, AND CAUSE

	COLLISIONS				DERAILMENTS				OTHER				
		DEFECTS				DEFECTS				DEFECTS			TOTAL
	HUMAN FACTORS	EQUIP	TRACK	OTHER	HUMAN FACTORS	EQUIP	TRACK	OTHER	HUMAN FACTORS	EQUIP	TRACK	OTHER	ACCIDENTS
ALASKA RAILROAD	---	---	---	---	1	1	1	---	---	---	---	---	3
AMTRAK (NATIONAL RAILROAD PASSENGER CORP.)	3	---	---	1	---	2	4	1	---	---	1	4	16
ATCHISON, TOPEKA AND SANTA FE RAILWAY COMPAN	3	---	1	---	2	3	2	1	1	---	---	1	14
BOSTON AND MAINE CORPORATION	---	---	---	---	1	---	---	1	---	---	---	---	2
BURLINGTON NORTHERN	4	---	---	---	2	2	5	1	---	---	---	2	16
BALTIMORE AND OHIO RAILROAD COMPANY	---	---	---	---	---	---	---	1	---	---	---	---	1
CHICAGO AND NORTHWESTERN TRANSPORTATION COMP	---	---	---	---	1	1	---	---	---	---	---	1	3
CHESAPEAKE AND OHIO RAILWAY COMPANY	---	---	---	---	---	---	---	---	---	---	---	1	1
CONSOLIDATED RAIL CORPORATION	5	---	---	---	---	2	1	1	---	---	---	3	12
CHICAGO SOUTH SHORE AND SOUTH BEND RAILROAD	---	---	---	---	---	---	---	---	---	---	---	1	1
DEPARTMENT OF TRANSPORATATION	---	---	---	---	---	---	---	---	---	---	---	1	1
DENVER AND RIO GRANDE WESTERN RAILROAD COMPA	1	---	---	---	1	---	---	---	---	1	---	---	3
ILLINOIS CENTRAL GULF RAILROAD	---	---	---	---	---	1	2	1	---	---	---	1	5
KANSAS CITY SOUTHERN RAILWAY COMPANY	3	---	---	---	---	---	---	1	---	---	---	---	4
MISSOURI-KANSAS-TEXAS RAILROAD COMPANY	1	---	1	---	---	---	---	---	---	---	---	---	2
METRO NORTH COMMUTER RAILROAD COMPANY	---	---	---	---	---	1	---	---	---	---	---	1	2
MISSOURI PACIFIC RAILROAD COMPANY	2	---	---	---	---	2	2	1	---	---	---	---	7
N. J. DEPT. OF TRANSPORTATION	1	---	---	---	---	---	---	---	---	---	---	---	1
NORFOLK AND WESTERN RAILWAY COMPANY	1	---	---	---	---	---	---	---	---	---	---	2	3
SEABOARD SYSTEM RAILROAD	4	---	---	---	1	---	2	---	---	---	---	5	12
RRD SEPT	1	---	---	---	---	---	---	---	---	---	---	---	1
SOO LINE RAILROAD	---	---	---	---	---	1	---	---	---	---	---	---	1
SOUTHERN RAILWAY COMPANY	---	---	---	---	---	---	---	---	---	---	1	---	1
SOUTHERN PACIFIC TRANSPORTATION COMPANY	4	---	---	---	1	2	5	1	---	---	---	1	14
ST. LOUIS SOUTHWESTERN RAILWAY COMPANY	---	---	---	---	---	---	---	1	---	---	---	---	1
UNION PACIFIC RAILROAD	1	---	---	---	1	1	---	---	---	---	---	---	3
WESTERN PACIFIC RAILROAD COMPANY	---	---	---	1	---	1	---	---	---	---	---	---	2
	34	---	2	2	11	20	24	11	1	1	2	24	132

REPORT NUMBER	RAILROAD CODE	....ACCIDENT LOCATION....		DATE	PAGE
1	CR	WEST CONWAY	PA	01/06/83	1
2	SBD	MAYSVILLE	NC	01/14/83	1
3	MP/ ATK	ST. LOUIS	MO	01/14/83	1
4	UP	STAUFFER	WY	01/22/83	2
5	KCS	CLEVELAND	MO	01/28/83	2
6	UP	THE DALLES	OR	01/28/83	2
7	WP/ ATK	REDHOUSE	NV	01/30/83	3
8	CR	DELTA	OH	02/12/83	3
9	CR	COLUMBIA	PA	02/14/83	3
10	ATSF	CAJON	CA	03/03/83	4
11	ICG	COYLINE	LA	03/13/83	4
12	MP	HARRISON	TX	03/14/83	4
13	MKT	TEMPLE	TX	03/17/83	5
14	ATSF	RIO VISTA	TX	03/19/83	5
15	NW	PIKLTON	OH	03/21/83	5
16	ICG	FORT KNOX	KY	03/22/83	6
17	ATSF	ALVA	OK	03/23/83	6
18	ATSF	LOS ANGELES	CA	03/24/83	6
19	CR	PHILADELPHIA	PA	03/24/83	7
20	MP	CHIVINGTON	CO	03/27/83	7
21	ATSF	DOUBLEA	AZ	03/30/83	7
22	SP	ANTELOPE	CA	03/31/83	8
23	DRGW	DENVER	CO	04/03/83	8
24	SOU/ ATK	HAMNER	VA	04/03/83	8
25	CR	COCHRANTON	PA	04/05/83	9
26	WP/ SP	PARDO	NV	04/09/83	9
27	BN	PACIFIC JUNCTION	IA	04/13/83	9
28	BN	CICERO	IL	04/19/83	10
29	MP	KANSAS CITY	MO	04/19/83	10
30	ICG	SHIPMAN	IL	04/21/83	10
31	ATSF	FISHEL	CA	04/21/83	11
32	ATK	CLINTON	CT	04/28/83	11
33	SBD	DONELSON	TN	04/30/83	11
34	BN	CASEY	OK	05/06/83	12
35	SBD	WOODLAND	GA	05/07/83	12
36	SP/ ATK	DORRIS	CA	05/11/83	12
37	SBD	WINTER PARK	FL	05/13/83	13
38	MILW	ELGIN	IL	05/17/83	13
39	SBD	BAINBRIDGE	GA	05/18/83	13
40	ATK	PENNSYLVANIA STATION	NY	05/24/83	14
41	BN	MALIN	OR	05/26/83	14
42	DRGW/ ATSF/ BN	PALMER LAKE	CO	05/27/83	14

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REPORT NUMBER	RAILROAD CODE	....ACCIDENT LOCATION....		DATE	PAGE
43	BN	HOPE	ID	06/07/83	15
44	CR	DAM	NY	06/15/83	15
45	DRGW	GRAND JUNCTION	CO	06/16/83	16
46	ATK/ NJT	PENNSYLVANIA STATION	NY	06/24/83	16 16
47	CR	SELMA	IN	06/29/83	16
48	SBD	MAYSVILLE	NC	07/07/83	16
49	BN	DESCHUTES	OR	07/08/83	17
50	SSW	TYLER	TX	07/08/83	17
51	CNW	PROVO JUNCTION	IL	07/13/83	17
52	BN/ ATK	NISQUALLY	WA	07/14/83	18
53	SP/ ATSF	CLIFF	CA	07/16/83	18
54	ARR	GARNER	AK	07/18/83	18
55	BN	CRYSTAL CITY	MO	07/18/83	19
56	CR	BERGEN	NY	07/18/83	19
57	CNW	WADSWORTH	IL	07/21/83	19
58	SP	WATTS	CA	07/21/83	20
59	ICG/ ATK	WILMINGTON	IL	07/28/83	20
60	ARR	DOME	AK	07/29/83	20
61	SP	FRANCIS	TX	07/30/83	21
62	BM	GRANITEVILLE	MA	08/03/83	21
63	SBD	LONE STAR	SC	08/04/83	21
64	SP	MOORPARK	CA	08/06/83	22
65	CNW	DEKALB	IL	08/10/83	22
66	SP	ENGLEWOOD YARD	TX	08/11/83	22
67	SBD	CHARLOTTE	NC	08/12/83	23
68	LN	SHELBINA	MO	08/13/83	23
69	ARR	WHITNEY	AK	08/21/83	23
70	ATSF	COMANCHE	TX	08/23/83	24
71	SBD/ ATK	ROWLAND	NC	08/25/83	24
72	ATSF	FULLERVILLE	TX	08/31/83	24
73	BO	MURDOCK	IL	09/02/83	25
74	BN	SAUNDERS	WI	09/11/83	25
75	SP	WEST PARK	TX	09/12/83	25
76	ICG	GREENDALE	IL	09/13/83	26
77	SBD	SULLIVAN	IN	09/14/83	26
78	CO/ SBD/ DOT	LEVISA	KY	09/15/83	27
79	BN/ ATK	FOXBORO	MN	09/18/83	27
80	BN	ST. MICHAEL	NE	09/19/83	27
81	MP	MALVERN	AR	09/26/83	28
82	SOO	SPENCER	WI	09/29/83	28

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REPORT NUMBER	RAILROAD CODE	....ACCIDENT LOCATION....		DATE	PAGE
83	SP/ ATSF	TEHACHAPI	CA	10/10/83	28
84	KCS	VIVIAN	LA	10/17/83	29
85	ATK	LEVITTOWN	PA	10/22/83	29
86	MNCW	NEW YORK	NY	10/22/83	29
87	BN	DALHART	TX	10/22/83	30
88	BN	HEMINGFORD	NE	10/24/83	30
89	ATSF	RICARDO	NM	10/27/83	30
90	BM	STOUGHTON	MA	10/31/83	31
91	CR/ SEPT	LANSDALE	PA	11/03/83	31
92	NW/ CR	BENSON	OH	11/08/83	31
93	NW	RICHLANDS	VA	11/09/83	32
94	ATSF	GLORIETA	NM	11/09/83	32
95	SP/ ATK	HOUSTON	TX	11/09/83	32
96	CR	MILLBURY	OH	11/11/83	33
97	CSS	WILSON	IN	11/11/83	33
98	MP/ ATK	WOODLAWN	TX	11/12/83	33
99	BN	ASHTOLA	TX	11/13/83	34
100	KCS	HAMMOCK	LA	11/16/83	34
101	ATSF	SCHOOLE	NM	11/17/83	34
102	UP	CRUCERO	CA	11/17/83	35
103	SP	ELDON	TX	11/19/83	35
104	MKT/ MP	WAGONER	OK	11/19/83	35
105	KCS	NEAL SPRINGS	AR	11/27/83	36
106	SP	MIDLAND	LA	11/28/83	36
107	SBD/ ATK	SPARR	FL	11/30/83	36
108	CR	LANCASTER	NY	11/30/83	37
109	SP/ ATK	EL PASO	TX	12/05/83	37
110	MNCW	WOODLAWN	NY	12/09/83	37
111	ICG	TUSCOLA	IL	12/14/83	38
112	MP	HOLLYWOOD JCT	LA	12/17/83	38
113	BN	WILLBRIDGE	OR	12/31/83	38

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RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CR	01/06/83	9:55 AM	WEST CONWAY	PA	HEAD-END COLLISION	0	3	$132,450

TYPE OF TRACK: YARD
CLASS OF TRACK: 1
1 METHOD OF OPERATION: TIME TABLE, TRAIN ORDERS
MOVEMENTS INVOLVED: FREIGHT TRAIN X3143 7 MPH; LIGHT LOCO(S) X6943 8
EQUIPMENT DERAILED: 1 LOCOMOTIVE(S), 2 CAR(S)

PROBABLE CAUSE: WITHOUT AUTHORITY, EXTRA 6943 OCCUPIED YARD TRACK NO. 209 AND STRUCK EXTRA 3143 EAST.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
SBD	01/14/83	3:20 PM	MAYSVILLE	NC	RAIL-HWY CROSSING	0	45	$25

TYPE OF TRACK: MAIN
CLASS OF TRACK: 2
2 METHOD OF OPERATION: TIME TABLE, TRAIN ORDERS
MOVEMENTS INVOLVED: FREIGHT TRAIN 422 20 MPH
EQUIPMENT DERAILED: NONE

PROBABLE CAUSE: THE SCHOOL BUS OPERATOR STOPPED TOO CLOSE TO THE RAILROAD TRACK. WHILE ATTEMPTING TO BACK UP THE SCHOOL BUS, THE OPERATOR PLACED THE TRANSMISSION IN THIRD GEAR INSTEAD OF REVERSE.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
MP/ ATK	01/14/83	11:36 PM	ST. LOUIS	MO	DERAILMENT	0	0	$34,000

TYPE OF TRACK: MAIN
CLASS OF TRACK: 2
3 METHOD OF OPERATION: AUTOMATIC BLOCK, TIME TABLE, TRAIN ORDERS
MOVEMENTS INVOLVED: PASSENGER TRAIN 21 23 MPH
EQUIPMENT DERAILED: 8 CAR(S)

PROBABLE CAUSE: DEFLATED AIR SPRINGS ON THE FIRST CAR IN THE TRAIN AND MARGINAL TRACK CONDITIONS.

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RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
UP	01/22/83	1:00 AM	STAUFFER	WY	DERAILMENT	0	2	$326,000

TYPE OF TRACK: INDUSTRY
CLASS OF TRACK: 2
4 METHOD OF OPERATION: MANUAL BLOCK
EQUIPMENT DERAILED: 3 LOCOMOTIVE(S)

MOVEMENTS INVOLVED: FREIGHT TRAIN X3158 7 MPH

PROBABLE CAUSE: FAILURE OF THE TRAIN CREW TO OPERATE THE TRAIN IN ACCORDANCE WITH THE CARRIER'S AIR BRAKE RULES AND THE POWER BRAKE LAW. THE TRAIN CREW FAILED TO MAKE A PROPER AIR BRAKE TEST PRIOR TO MOVING THE TRAIN. ANGLE COCKS WERE CLOSED ON TWO CARS IN THE TRAIN RESULTING IN AN INEFFECTIVE TRAIN BRAKING SYSTEM.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
KCS	01/28/83	1:52 PM	CLEVELAND	MO	REAR-END COLLISION	0	1	$50,000

TYPE OF TRACK: MAIN
CLASS OF TRACK: 3
5 METHOD OF OPERATION: TRAFFIC CONTROL

MOVEMENTS INVOLVED: FREIGHT TRAIN 649 37 MPH
SINGLE CAR 1008 10

EQUIPMENT DERAILED: NONE

PROBABLE CAUSE: THE TRAIN CREW OF EXTRA 649 NORTH ENTERED THE LIMITS OF A FORM "U" TRAIN ORDER WITHOUT AUTHORITY AND STRUCK THE REAR OF A BALLAST REGULATOR.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
UP	01/28/83	7:08 PM	THE DALLES	OR	REAR-END COLLISION	1	0	$100,757

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
6 METHOD OF OPERATION: AUTOMATIC BLOCK
YARD RULES
TIME TABLE
EQUIPMENT DERAILED: 1 CAR(S)

MOVEMENTS INVOLVED: YARD/SWITCHING 1818 1 MPH
FREIGHT TRAIN X3311 18

PROBABLE CAUSE: THE FAILURE OF CREW MEMBERS OF EXTRA 3311 WEST AND YARD ENGINE 1818 TO COMPLY WITH SPECIAL OPERATING INSTRUCTIONS GOVERNING TRAIN MOVEMENTS ON A MAIN TRACK IN YARD LIMITS.

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RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
WP/ ATK	01/30/83	4:53 AM	REDHOUSE	NV	RAKING COLLISION	0	14	$871,769

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
7 METHOD OF OPERATION: AUTOMATIC BLOCK
TIME TABLE
TRAIN ORDERS

MOVEMENTS INVOLVED: PASSENGER TRAIN 6 70 MPH
YARD/SWITCHING X3676 0

EQUIPMENT DERAILED:
2 LOCOMOTIVE(S)
9 CAR(S)

PROBABLE CAUSE: DERAILED FREIGHT CARS FOULING THE MAIN TRACK WERE STRUCK BY PASSENGER TRAIN NO. 6.

CONTRIBUTING FACTOR: THE CREW OF EXTRA 3676 EAST SHOVED CARS OVER THE END OF THE SPUR TRACK, AND THE CARS FOULED THE MAIN TRACK.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CR	02/12/83	11:10 PM	DELTA	OH	RAIL-HWY CROSSING	4	2	$2,275

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
8 METHOD OF OPERATION: TRAFFIC CONTROL

MOVEMENTS INVOLVED: FREIGHT TRAIN X6293 65 MPH

EQUIPMENT DERAILED: NONE

PROBABLE CAUSE: FAILURE OF THE MOTOR VEHICLE OPERATOR TO STOP AT THE CROSSING.

CONTRIBUTING FACTOR: A PROBABLE CONTRIBUTING FACTOR WAS THE IMPAIRMENT OF THE VEHICLE OPERATOR BY ALCOHOL.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CR	02/14/83	7:26 AM	COLUMBIA	PA	REAR-END COLLISION	0	2	$179,000

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
9 METHOD OF OPERATION: CAB SIGNAL
AUTOMATIC BLOCK
TIME TABLE
TRAIN ORDERS

MOVEMENTS INVOLVED: FREIGHT TRAIN X3314 0 MPH
FREIGHT TRAIN X6483 25

EQUIPMENT DERAILED:
1 LOCOMOTIVE(S)
3 CAR(S)
1 CABOOSE(S)

PROBABLE CAUSE: FAILURE OF THE TRAIN CREW OF EXTRA 6483 EAST TO OPERATE THE TRAIN IN ACCORDANCE WITH SIGNAL INDICATIONS.

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RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ATSF	03/03/83	5:05 AM	CAJON	CA	OBSTRUCTION	0	4	$362,300

	TYPE OF TRACK:	MAIN			
	CLASS OF TRACK:	3			
10	METHOD OF OPERATION:	TRAFFIC CONTROL	MOVEMENTS INVOLVED:	FREIGHT TRAIN	X3279	24 MPH
	EQUIPMENT DERAILED:	6 LOCOMOTIVE(S) 16 CAR(S)			

PROBABLE CAUSE: FAILURE OF THE ASSISTANT FOREMAN TO PROVIDE FLAG PROTECTION FOR CONTRACTOR MACHINERY OPERATING NEAR THE TRACK.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ICG	03/13/83	5:40 PM	DOYLINE	LA	DERAILMENT	0	0	$110,800

	TYPE OF TRACK:	MAIN			
	CLASS OF TRACK:	3			
11	METHOD OF OPERATION:	TIME TABLE TRAIN ORDERS	MOVEMENTS INVOLVED:	FREIGHT TRAIN	X9503	39 MPH
	EQUIPMENT DERAILED:	16 CAR(S)			

PROBABLE CAUSE: BROKEN JOINT BARS ON THE 112-POUND JOINTED RAIL.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
MP	03/14/83	2:20 AM	HARRISON	TX	DERAILMENT	0	0	$18,000

	TYPE OF TRACK:	MAIN			
	CLASS OF TRACK:	3			
12	METHOD OF OPERATION:	TIME TABLE TRAIN ORDERS	MOVEMENTS INVOLVED:	FREIGHT TRAIN	X3099	13 MPH
	EQUIPMENT DERAILED:	9 CAR(S)			

PROBABLE CAUSE: THE INTERACTION OF LATERAL/VERTICAL FORCES AT CRITICAL TRAIN SPEED WAS SUFFICIENT TO LIFT THE WHEELS OF THE TRAILING TRUCK UNDER CAR LGIX 627.

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RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
MKT	03/17/83	4:10 PM	TEMPLE	TX	HEAD-END COLLISION	0	3	$1,788,565

TYPE OF TRACK: SIDING
CLASS OF TRACK: 4
13 METHOD OF OPERATION: AUTOMATIC BLOCK / TIME TABLE / TRAIN ORDERS
MOVEMENTS INVOLVED: FREIGHT TRAIN / CUT OF CARS — 103 — 30 MPH
EQUIPMENT DERAILED: 4 LOCOMOTIVE(S) / 13 CAR(S)

PROBABLE CAUSE: AN IMPROPERLY LINED SWITCH.

CONTRIBUTING FACTOR: A SIGNAL MAINTAINER INTERFERED WITH THE NORMAL FUNCTIONING OF THE SWITCH CIRCUIT CONTROLLER AND ASSOCIATED CONNECTIONS.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ATSF	03/19/83	4:00 PM	RIO VISTA	TX	DERAILMENT	0	1	$2,520,564

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
14 METHOD OF OPERATION: TRAFFIC CONTROL
MOVEMENTS INVOLVED: FREIGHT TRAIN — X5614 — 56 MPH
EQUIPMENT DERAILED: 3 LOCOMOTIVE(S) / 40 CAR(S)

PROBABLE CAUSE: A ROLLER BEARING JOURNAL FAILURE ON FLIX 2329, A LOADED COVERED HOPPER CAR.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
NW	03/21/83	5:32 PM	PIKETON	OH	RAIL-HWY CROSSING	0	1	$100

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
15 METHOD OF OPERATION: AUTOMATIC BLOCK / TIME TABLE / TRAIN ORDERS
MOVEMENTS INVOLVED: FREIGHT TRAIN — X6089 — 40 MPH
EQUIPMENT DERAILED: NONE

PROBABLE CAUSE: FAILURE OF THE MOTOR VEHICLE OPERATOR TO STOP AT THE CROSSING AND REMAIN STOPPED UNTIL THE TRAIN HAD PASSED.

CONTRIBUTING FACTOR: A HIGHWAY BILLBOARD NEAR THE CROSSING MAY HAVE OBSTRUCTED THE MOTOR VEHICLE OPERATOR'S VIEW OF THE TRAIN.

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RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ICG	03/22/83	5:42 AM	FORT KNOX	KY	DERAILMENT	0	0	$199,831

	TYPE OF TRACK:	MAIN				
	CLASS OF TRACK:	3				
16	METHOD OF OPERATION:	AUTOMATIC BLOCK TIME TABLE TRAIN ORDERS	MOVEMENTS INVOLVED:	FREIGHT TRAIN	64	27 MPH
	EQUIPMENT DERAILED:	13 CAR(S)				

PROBABLE CAUSE: A DETAIL FRACTURE IN THE RAILHEAD OF THE 112-POUND JOINTED RAIL ON A 2-DEGREE CURVE.

CONTRIBUTING FACTOR: SEVERE SHELLING OF THE OUTSIDE RAIL ON THE CURVE CAUSED SEVERAL DETAIL FRACTURES TO DEVELOP.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ATSF	03/23/83	4:05 PM	ALVA	OK	DERAILMENT	0	0	$680,909

	TYPE OF TRACK:	SIDING				
	CLASS OF TRACK:	3				
17	METHOD OF OPERATION:	TRAFFIC CONTROL	MOVEMENTS INVOLVED:	FREIGHT TRAIN	189V1	40 MPH
	EQUIPMENT DERAILED:	4 LOCOMOTIVE(S) 12 CAR(S)				

PROBABLE CAUSE: DETERIORATED CROSSTIES ALLOWED THE GAGE TO WIDEN AND THE NORTH RAIL TO OVERTURN.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ATSF	03/24/83	2:30 AM	LOS ANGELES	CA	DERAILMENT	0	0	$145,000

	TYPE OF TRACK:	MAIN				
	CLASS OF TRACK:	2				
18	METHOD OF OPERATION:	AUTOMATIC BLOCK TIME TABLE TRAIN ORDERS	MOVEMENTS INVOLVED:	FREIGHT TRAIN	X5981	25 MPH
	EQUIPMENT DERAILED:	4 LOCOMOTIVE(S) 20 CAR(S)				

PROBABLE CAUSE: EXCESSIVE LATERAL FORCES CAUSED THE RAILS TO SPREAD IN A 3-DEGREE 59-MINUTE CURVE.

CONTRIBUTING FACTOR: MISSING COUPLER ALIGNMENT BLOCKS ON FOUR SWITCHER LOCOMOTIVES AND HEAVY DYNAMIC BRAKING ON A 1.9-PERCENT DESCENDING GRADE DEVELOPED SUFFICIENT LATERAL FORCE TO CAUSE THE RAILS TO SPREAD.

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RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CR	03/24/83	7:57 PM	PHILADELPHIA	PA	DERAILMENT	0	0	$237,500

TYPE OF TRACK: MAIN
CLASS OF TRACK: 3
19 METHOD OF OPERATION: INTERLOCKING, AUTOMATIC BLOCK, TIME TABLE, TRAIN ORDERS
MOVEMENTS INVOLVED: FREIGHT TRAIN X6486 28 MPH
EQUIPMENT DERAILED: 23 CAR(S)

PROBABLE CAUSE: THE PINION THAT OPERATED THE DISCHARGE GATE FELL FROM CR 890173, A COVERED HOPPER CAR.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
MP	03/27/83	12:30 PM	CHIVINGTON	CO	DERAILMENT	0	2	$30,900

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
20 METHOD OF OPERATION: AUTOMATIC BLOCK, TIME TABLE, TRAIN ORDERS
MOVEMENTS INVOLVED: FREIGHT TRAIN X4822 55 MPH; FREIGHT TRAIN X5406 0
EQUIPMENT DERAILED: 1 LOCOMOTIVE(S), 6 CAR(S), 1 CABOOSE(S)

PROBABLE CAUSE: THE TRUCK TRANSOM FAILED AT THE "A" END OF ATSF 88124 (EXTRA 4822 EAST) AND ALLOWED THE BRAKE RIGGING TO DROP TO THE TRACK STRUCTURE.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ATSF	03/30/83	5:15 PM	DOUBLEA	AZ	HEAD-END COLLISION	0	1	$3,150

TYPE OF TRACK: MAIN
CLASS OF TRACK: 5
21 METHOD OF OPERATION: TRAFFIC CONTROL, AUTO TRAIN STOP
MOVEMENTS INVOLVED: FREIGHT TRAIN X5677 0 MPH; FREIGHT TRAIN X5679 11
EQUIPMENT DERAILED: NONE

PROBABLE CAUSE: AN ASPECT DISPLAYED BY A LIGHT SIGNAL, NOT THE ASPECT INTENDED, OCCURRED WHEN LIGHT FROM AN EXTERNAL SOURCE WAS REFLECTED BY THE OPTICAL SYSTEM OF THE SIGNAL.

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RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
SP	03/31/83	4:30 AM	ANTELOPE	CA	HEAD-END COLLISION	0	2	$91,000

TYPE OF TRACK: MAIN
CLASS OF TRACK: 2
22 METHOD OF OPERATION: INTERLOCKING
MOVEMENTS INVOLVED: FREIGHT TRAIN X7350 8 MPH
LIGHT LOCO(S) X1525 7
EQUIPMENT DERAILED: 1 LOCOMOTIVE(S)

PROBABLE CAUSE: FAILURE OF THE CREW OF THE LIGHT LOCOMOTIVE CONSIST TO OPERATE IN ACCORDANCE WITH SIGNAL INDICATION WITHIN INTERLOCKING LIMITS.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
DRGW	04/03/83	4:00 AM	DENVER	CO	OTHER	0	25	$18,000

TYPE OF TRACK: YARD
CLASS OF TRACK: 2
23 METHOD OF OPERATION: YARD RULES
MOVEMENTS INVOLVED: YARD/SWITCHING 146 12 MPH
EQUIPMENT DERAILED: NONE

PROBABLE CAUSE: A FAILED COUPLER ON THE "A" END OF WP 66132, AN EMPTY BOXCAR, PENETRATED THE "A" END OF THE TANK CAR.

CONTRIBUTING FACTOR: THE FAILED COUPLER HAD AN OLD BREAK, 70-PERCENT CONCEALED. THE LOCATION OF THE OLD BREAK WAS NOT DETECTABLE BY NORMAL VISUAL INSPECTIONS.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
SOU/ ATK	04/03/83	5:55 AM	HAMNER	VA	OBSTRUCTION	0	29	$231,840

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
24 METHOD OF OPERATION: TRAFFIC CONTROL
MOVEMENTS INVOLVED: PASSENGER TRAIN 82) 48 MPH
EQUIPMENT DERAILED: 2 LOCOMOTIVE(S)
6 CAR(S)

PROBABLE CAUSE: AN EARTH AND ROCK SLIDE MEASURING 9 FEET HIGH COVERED THE RAILS.

CONTRIBUTING FACTOR: RAINFALL IN THE ACCIDENT AREA MEASURED 2.21 INCHES FOR THE 24-HOUR PERIOD PRIOR TO THE ACCIDENT.

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RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CR	04/05/83	1:10 AM	COCHRANTON	PA	DERAILMENT	0	0	$112,963

TYPE OF TRACK: MAIN
CLASS OF TRACK: 2
25 METHOD OF OPERATION: TIME TABLE
MANUAL BLOCK
EQUIPMENT DERAILED: 7 CAR(S)

MOVEMENTS INVOLVED: FREIGHT TRAIN X1915 21 MPH

PROBABLE CAUSE: HARMONIC ROCKING MOTION INDUCED BY A SERIES OF TRACK CROSS-LEVEL VARIATIONS WHILE THE TRAIN WAS TRAVELING AT 21 MPH ALLOWED THE LEAD WHEEL ON THE SOUTH TRUCK OF THE 35TH CAR TO CLIMB THE WEST RAIL ON A 9-DEGREE 8-MINUTE CURVE TO THE LEFT.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
WP/ SP	04/09/83	7:15 AM	PARDO	NV	DERAILMENT	0	2	$673,835

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
26 METHOD OF OPERATION: AUTOMATIC BLOCK
TIME TABLE
TRAIN ORDERS
EQUIPMENT DERAILED: 20 CAR(S)

MOVEMENTS INVOLVED: FREIGHT TRAIN X8542 45 MPH

PROBABLE CAUSE: THE R2 JOURNAL ON FGER 191817 FAILED BECAUSE EXCESSIVE LUBRICANT DISLODGED A SEAL.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BN	04/13/83	4:00 AM	PACIFIC JUNCTION	IA	REAR-END COLLISION	1	3	$972,000

TYPE OF TRACK: MAIN
CLASS OF TRACK: 2
27 METHOD OF OPERATION: TIME TABLE
TRAIN ORDERS
EQUIPMENT DERAILED: 4 LOCOMOTIVE(S)
16 CAR(S)
1 CABOOSE(S)

MOVEMENTS INVOLVED: FREIGHT TRAIN X5089 0 MPH
FREIGHT TRAIN X5086 49

PROBABLE CAUSE: THE FAILURE OF THE CREW OF EXTRA 5086 TO OPERATE THE TRAIN AT A SPEED THAT WOULD HAVE ALLOWED IT TO BE STOPPED SHORT OF STRIKING THE CABOOSE OF EXTRA 5089 WEST. THE MAXIMUM AUTHORIZED SPEED IS 20 MPH.

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RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BN	04/19/83	4:08 PM	CICERO	IL	OBSTRUCTION	0	16	$527,000

TYPE OF TRACK: MAIN
CLASS OF TRACK: 3
28 METHOD OF OPERATION: TRAFFIC CONTROL
CAB SIGNAL
EQUIPMENT DERAILED: 2 CAR(S)

MOVEMENTS INVOLVED: PASSENGER TRAIN 254 45 MPH

PROBABLE CAUSE: TRAIN NO. 254 STRUCK A FREIGHT CAR PLUG DOOR THAT WAS FOULING TRACK NO. 3. THE PLUG DOOR FELL FROM BNFE 9709, A MECHANICAL REFRIGERATOR CAR, ON WESTBOUND FREIGHT TRAIN EL BN 9, OPERATING ON TRACK NO . 4.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
MP	04/19/83	9:20 PM	KANSAS CITY	MO	REAR-END COLLISION	0	4	$1,650

TYPE OF TRACK: YARD
CLASS OF TRACK: 1
29 METHOD OF OPERATION: YARD RULES
EQUIPMENT DERAILED: 2 LOCOMOTIVE(S)

MOVEMENTS INVOLVED: FREIGHT TRAIN X1550 0 MPH
LIGHT LOCO(S) X4840 13

PROBABLE CAUSE: THE FAILURE OF THE CREW OF EXTRA 4840 EAST TO OPERATE IN A YARD PREPARED TO STOP SHORT OF AN OBSTRUCTION, AND STRUCK EXTRA 1550 EAST.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ICG	04/21/83	10:10 AM	SHIPMAN	IL	DERAILMENT	0	2	$38,000

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
30 METHOD OF OPERATION: TRAFFIC CONTROL
EQUIPMENT DERAILED: 8 CAR(S)
1 CABOOSE(S)

MOVEMENTS INVOLVED: FREIGHT TRAIN X528 48 MPH

PROBABLE CAUSE: THE INTERACTION OF VERTICAL/LATERAL FORCES WAS SUFFICIENT TO CAUSE WHEEL LIFT AND DERAILMENT.

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RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ATSF	04/21/83	9:45 PM	FISHEL	CA	DERAILMENT	0	2	$730,315

TYPE OF TRACK: MAIN
CLASS OF TRACK: 3
31 METHOD OF OPERATION: TIME TABLE
TRAIN ORDERS
MOVEMENTS INVOLVED: FREIGHT TRAIN X2825 45 MPH
EQUIPMENT DERAILED: 8 LOCOMOTIVE(S)
22 CAR(S)

PROBABLE CAUSE: MISALIGNMENT OF A SWITCH BY PERSON(S) UNKNOWN.

CONTRIBUTING FACTOR: THE TARGET ON THE SWITCH STAND WAS RUSTED AND DISCOLORED TO THE EXTENT THAT THE SWITCH ALIGNMENT WAS NOT DETECTABLE.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ATK	04/28/83	2:30 PM	CLINTON	CT	DERAILMENT	0	24	$423,000

TYPE OF TRACK: MAIN
CLASS OF TRACK: 5
32 METHOD OF OPERATION: AUTOMATIC BLOCK
TIME TABLE
TRAIN ORDERS
CAB SIGNAL
AUTO TRAIN CONTROL
MOVEMENTS INVOLVED: PASSENGER TRAIN 170 75 MPH
EQUIPMENT DERAILED: 4 CAR(S)

PROBABLE CAUSE: AMFLEET COACH NO. 21141 DERAILED DUE TO A STIFF TRUCK UNDER THE "B" END.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
SBD	04/30/83	8:50 AM	DONELSON	TN	DERAILMENT	0	0	$36,800

TYPE OF TRACK: MAIN
CLASS OF TRACK: 2
33 METHOD OF OPERATION: MANUAL BLOCK
TIME TABLE
TRAIN ORDERS
MOVEMENTS INVOLVED: FREIGHT TRAIN X4753 22 MPH
EQUIPMENT DERAILED: 2 LOCOMOTIVE(S)
10 CAR(S)

PROBABLE CAUSE: WIDE GAGE TRACK RESULTING FROM DETERIORATED CROSSTIES.

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RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BN	05/06/83	9:45 AM	CASEY	OK	DERAILMENT	0	0	$263,335

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
34 METHOD OF OPERATION: TIME TABLE — MOVEMENTS INVOLVED: FREIGHT TRAIN X8109 32 MPH
EQUIPMENT DERAILED: 1 LOCOMOTIVE(S), 34 CAR(S)

PROBABLE CAUSE: SLACK ACTION CAUSED BY IMPROPER USE OF THE TRAIN'S BRAKING SYSTEMS. THE TRAIN WAS 8,745 FEET LONG, CARRYING 39 EMPTIES THROUGHOUT AND 20 CARS OF POTASH AT THE REAR END. THE TRAIN HAD JUST LEFT A 1.0-PERCENT DESCENDING GRADE AND WAS STARTING A 0.50-PERCENT ASCENDING GRADE.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
SBD	05/07/83	5:00 PM	WOODLAND	GA	HEAD-END COLLISION	0	1	$39,200

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
35 METHOD OF OPERATION: TRAFFIC CONTROL — MOVEMENTS INVOLVED: FREIGHT TRAIN 308 0 MPH; FREIGHT TRAIN 323 5
EQUIPMENT DERAILED: NONE

PROBABLE CAUSE: THE FAILURE OF THE ENGINEER AND THE FRONT BRAKEMAN OF TRAIN NO. 323 TO OPERATE THE LOCOMOTIVE CONSIST AT A SPEED THAT WOULD HAVE ALLOWED A SAFE COUPLING WITH TRAIN NO. 308.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
SP/ ATK	05/11/83	5:48 AM	DORRIS	CA	DERAILMENT	0	0	$124,200

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
36 METHOD OF OPERATION: TRAFFIC CONTROL — MOVEMENTS INVOLVED: PASSENGER TRAIN 14 70 MPH
EQUIPMENT DERAILED: 3 CAR(S)

PROBABLE CAUSE: A DETAIL FRACTURE IN THE 119-POUND JOINTED RAIL.

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RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
SBD	05/13/83	12:55 PM	WINTER PARK	FL	DERAILMENT	0	2	$5,643

	TYPE OF TRACK:	MAIN				
	CLASS OF TRACK:	3				
37	METHOD OF OPERATION:	TRAFFIC CONTROL	MOVEMENTS INVOLVED:	FREIGHT TRAIN	X5507	20 MPH
	EQUIPMENT DERAILED:	4 LOCOMOTIVE(S)				

PROBABLE CAUSE: THE FAILURE OF THE CREW OF EXTRA 5507 SOUTH TO OPERATE THE TRAIN IN ACCORDANCE WITH THE SIGNAL INDICATION.

CONTRIBUTING FACTOR: FAILURE OF THE APPRENTICE MAINTENANCE-OF-WAY FOREMAN AND THE SIGNAL MAINTAINER TO PROVIDE FLAG PROTECTION WHILE REPAIR WORK WAS MADE TO THE SPUR TRACK SWITCH.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
MILW	05/17/83	2:38 PM	ELGIN	IL	RAIL-HWY CROSSING	0	29	$8,830

	TYPE OF TRACK:	MAIN				
	CLASS OF TRACK:	4				
38	METHOD OF OPERATION:	AUTOMATIC BLOCK YARD RULES TIME TABLE	MOVEMENTS INVOLVED:	FREIGHT TRAIN	X492	10 MPH

EQUIPMENT DERAILED: NONE

PROBABLE CAUSE: THE CROSSING GUARD (EMPLOYEE) FAILED TO ACTIVATE THE GATES.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
SBD	05/18/83	9:35 PM	BAINBRIDGE	GA	HEAD-END COLLISION	0	1	$90,800

	TYPE OF TRACK:	MAIN				
	CLASS OF TRACK:	3				
39	METHOD OF OPERATION:	YARD RULES	MOVEMENTS INVOLVED:	CUT OF CARS		0 MPH
				LIGHT LOCO(S)	X333	10

EQUIPMENT DERAILED: NONE

PROBABLE CAUSE: THE FAILURE OF THE CREW OF X333 TO OPERATE LOCOMOTIVE CONSISTS ON THE MAIN TRACK IN YARD LIMITS IN COMPLIANCE WITH CARRIER OPERATING RULE 93.

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RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ATK	05/24/83	2:22 AM	PENNSYLVANIA STATION	NY	HEAD-END COLLISION	0	2	$33,500

TYPE OF TRACK: YARD
CLASS OF TRACK: 1
40 METHOD OF OPERATION: INTERLOCKING
AUTOMATIC BLOCK
EQUIPMENT DERAILED: 1 LOCOMOTIVE(S)
2 CAR(S)

MOVEMENTS INVOLVED: PASSENGER TRAIN 66 0 MPH
CUT OF CARS 8

PROBABLE CAUSE: THE FAILURE OF THE YARD SWITCHING CREW TO PROPERLY SECURE THE CUT OF CARS.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BN	05/26/83	7:35 AM	MALIN	OR	DERAILMENT	0	2	$50,250

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
41 METHOD OF OPERATION: TIME TABLE
TRAIN ORDERS
EQUIPMENT DERAILED: 2 LOCOMOTIVE(S)
6 CAR(S)

MOVEMENTS INVOLVED: FREIGHT TRAIN X2505 30 MPH

PROBABLE CAUSE: A MAIN LINE SWITCH WAS IMPROPERLY ALIGNED BY PERSON(S) UNKNOWN.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
DRGW/ ATSF/ BN	05/27/83	1:00 PM	PALMER LAKE	CO	SIDE COLLISION	0	3	$1,114,678

TYPE OF TRACK: MAIN
CLASS OF TRACK: 2
42 METHOD OF OPERATION: AUTOMATIC BLOCK
TIME TABLE
TRAIN ORDERS
EQUIPMENT DERAILED: 3 LOCOMOTIVE(S)
13 CAR(S)

MOVEMENTS INVOLVED: FREIGHT TRAIN X5403 20 MPH
FREIGHT TRAIN X5005 20

PROBABLE CAUSE: THE FAILURE OF THE ATSF CREW (BN EXTRA 5005 SOUTH) TO OPERATE THE TRAIN IN ACCORDANCE WITH SIGNAL INDICATIONS.

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RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BN	06/07/83	4:45 PM	HOPE	ID	DERAILMENT	0	0	$580,500

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
43 METHOD OF OPERATION: TRAFFIC CONTROL
EQUIPMENT DERAILED: 30 CAR(S)
MOVEMENTS INVOLVED: FREIGHT TRAIN X8039 46 MPH

PROBABLE CAUSE: AN IRREGULAR TRACK ALIGNMENT BECAUSE OF A SUN KINK. IN THE 14 HOURS BEFORE THE DERAILMENT THE TEMPERATURE CHANGED FROM 38 DEGREES F. TO 79 DEGREES F.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CR	06/15/83	3:30 PM	DAM	NY	DERAILMENT	0	0	$57,800

TYPE OF TRACK: MAIN
CLASS OF TRACK: 3
44 METHOD OF OPERATION: MANUAL BLOCK
TIME TABLE
TRAIN ORDERS
EQUIPMENT DERAILED: 12 CAR(S)
MOVEMENTS INVOLVED: FREIGHT TRAIN BUOI5 30 MPH

PROBABLE CAUSE: AN IRREGULAR TRACK ALIGNMENT BECAUSE OF A SUN KINK. THE TEMPERATURE ON THE DAY OF THE DERAILMENT WAS 97 DEGREES F.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
DRGW	06/16/83	2:18 AM	GRAND JUNCTION	CO	DERAILMENT	0	0	$144,000

TYPE OF TRACK: YARD
CLASS OF TRACK: 2
45 METHOD OF OPERATION: YARD RULES
EQUIPMENT DERAILED: 4 CAR(S)
MOVEMENTS INVOLVED: CUT OF CARS 0 MPH

PROBABLE CAUSE: THE ABSENCE OF TRACK SKATES ON A 0.30-PERCENT DESCENDING GRADE ALLOWED THE CUT OF 30 CARS TO ROLL WESTWARD UNATTENDED. THE YARDMASTER FAILED TO HAVE TRACK SKATES RESTORED TO TRACK NO. 31. THE YARD SWITCHING CREW FAILED TO SHOVE THE FIRST CARS IN THE TRACK AGAINST THE SKATES, AS REQUIRED BY CARRIER RULES.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ATK/ NJT	06/24/83	1:45 PM	PENNSYLVANIA STATION	NY	SIDE COLLISION	0	18	$125,000

TYPE OF TRACK: YARD
CLASS OF TRACK: 1
46 METHOD OF OPERATION: INTERLOCKING, AUTOMATIC BLOCK
MOVEMENTS INVOLVED: PASSENGER TRAIN 3818 12 MPH; LIGHT LOCO(S) YN-1 6
EQUIPMENT DERAILED: 1 LOCOMOTIVE(S)

PROBABLE CAUSE: THE FAILURE OF THE CREW OF THE ATK LIGHT LOCOMOTIVE TO OPERATE THE LOCOMOTIVE IN ACCORDANCE WITH THE SIGNAL INDICATION.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CR	06/29/83	3:45 AM	SELMA	IN	RAIL-HWY CROSSING	4	0	$436

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
47 METHOD OF OPERATION: AUTOMATIC BLOCK, TIME TABLE, TRAIN ORDERS
MOVEMENTS INVOLVED: FREIGHT TRAIN X1976 45 MPH
EQUIPMENT DERAILED: NONE

PROBABLE CAUSE: THE FAILURE OF THE MOTOR VEHICLE OPERATOR TO STOP AT THE CROSSING.

CONTRIBUTING FACTOR: A PROBABLE CONTRIBUTING FACTOR WAS THE IMPAIRMENT OF THE VEHICLE OPERATOR BY ALCOHOL.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
SBD	07/07/83	9:00 AM	MAYSVILLE	NC	RAIL-HWY CROSSING	0	2	$69,400

TYPE OF TRACK: MAIN
CLASS OF TRACK: 2
48 METHOD OF OPERATION: TIME TABLE, TRAIN ORDERS
MOVEMENTS INVOLVED: FREIGHT TRAIN 423 10 MPH
EQUIPMENT DERAILED: 1 LOCOMOTIVE(S), 4 CAR(S)

PROBABLE CAUSE: THE FAILURE OF THE OPERATOR OF THE TRACTOR-TRAILER TO STOP SHORT OF THE CROSSING.

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RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BN	07/08/83	1:15 AM	DESCHUTES	OR	BROKEN TRAIN COLLISION	0	1	$254,500

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
49 METHOD OF OPERATION: AUTOMATIC BLOCK
TIME TABLE
TRAIN ORDERS
MOVEMENTS INVOLVED: FREIGHT TRAIN X6559 44 MPH
EQUIPMENT DERAILED: 22 CAR(S)

PROBABLE CAUSE: IMPROPER TRAIN HANDLING ON A 0.96-PERCENT DESCENDING GRADE. MALFUNCTION OF THE DYNAMIC BRAKING SYSTEM.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
SSW	07/08/83	6:50 AM	TYLER	TX	DERAILMENT	0	3	$1,087,500

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
50 METHOD OF OPERATION: TIME TABLE
TRAIN ORDERS
YARD RULES
MOVEMENTS INVOLVED: FREIGHT TRAIN X7826 17 MPH
EQUIPMENT DERAILED: 3 LOCOMOTIVE(S)
1 CAR(S)

PROBABLE CAUSE: AN UNKNOWN OBJECT BETWEEN THE SWITCH POINT AND THE STOCK RAIL PREVENTED THE NORMAL TRANSFER OF WHEELS FROM THE SWITCH POINT TO THE STOCK RAIL.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CNW	07/13/83	12:05 AM	PROVO JUNCTION	IL	DERAILMENT	0	1	$37,000

TYPE OF TRACK: YARD
CLASS OF TRACK: 1
51 METHOD OF OPERATION: TRAFFIC CONTROL
MOVEMENTS INVOLVED: FREIGHT TRAIN X5079 10 MPH
EQUIPMENT DERAILED: 1 LOCOMOTIVE(S)

PROBABLE CAUSE: FAILURE OF THE ENGINEER TO OPERATE THE TRAIN IN ACCORDANCE WITH A SIGNAL INDICATION.

CONTRIBUTING FACTOR: A PROBABLE CONTRIBUTING FACTOR WAS THE IMPAIRMENT OF THE ENGINEER BY ALCOHOL.

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RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BN / ATK	07/14/83	8:32 AM	NISQUALLY	WA	DERAILMENT	0	0	$62,000

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
52 METHOD OF OPERATION: AUTOMATIC BLOCK, TIME TABLE, TRAIN ORDERS
MOVEMENTS INVOLVED: PASSENGER TRAIN 795 12 MPH
EQUIPMENT DERAILED: 2 CAR(S)

PROBABLE CAUSE: THE LEADING WHEEL OF THE SECOND CAR CLIMBED THE SWITCH POINT.

CONTRIBUTING FACTOR: THE STOCK RAIL OF THE TURNOUT WAS IMPROPERLY UNDERCUT, AND CURVE WORN, AND PREVENTED THE RAIL FROM PROTECTING THE SWITCH POINT AS INTENDED.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
SP/ ATSF	07/16/83	4:40 AM	CLIFF	CA	DERAILMENT	0	1	$131,000

TYPE OF TRACK: MAIN
CLASS OF TRACK: 2
53 METHOD OF OPERATION: TRAFFIC CONTROL
MOVEMENTS INVOLVED: FREIGHT TRAIN X8737 23 MPH
EQUIPMENT DERAILED: 12 CAR(S), 1 CABOOSE(S)

PROBABLE CAUSE: EXCESSIVE LATERAL BUFF FORCES. THE TRAIN WAS BEING OPERATED WITH EIGHT LOCOMOTIVES IN HEAVY DYNAMIC BRAKING IN A 10-DEGREE, 14-MINUTE CURVE ON A 2.1-PERCENT-DESCENDING GRADE.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ARR	07/18/83	1:35 PM	GARNER	AK	DERAILMENT	0	0	$4,600

TYPE OF TRACK: MAIN
CLASS OF TRACK: 2
54 METHOD OF OPERATION: TIME TABLE, TRAIN ORDERS
MOVEMENTS INVOLVED: PASSENGER TRAIN X1512 20 MPH
EQUIPMENT DERAILED: 4 CAR(S)

PROBABLE CAUSE: AN IRREGULAR RATE OF CHANGE IN ALIGNMENT ON THE SPIRAL OF A 14-DEGREE, 30-MINUTE CURVE FORCED THE OUTSIDE RAIL OVER.

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RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
DN	07/18/83	4:35 PM	CRYSTAL CITY	MO	DERAILMENT	0	0	$802,916

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
55 METHOD OF OPERATION: TRAFFIC CONTROL — MOVEMENTS INVOLVED: FREIGHT TRAIN X6334 52 MPH
EQUIPMENT DERAILED: 51 CAR(S)

PROBABLE CAUSE: THE TRACK BUCKLED UNDER A TRAIN MOVEMENT. THE TRAIN WAS BEING OPERATED AT 12 MPH OVER THE MAXIMUM AUTHORIZED SPEED. THE ENGINEER WAS USING DYNAMIC BRAKING, CONTRARY TO CARRIER INSTRUCTIONS, AND THE TEMPERATURE WAS 97 DEGREES F.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CR	07/18/83	8:15 PM	BERGEN	NY	DERAILMENT	0	0	$168,500

TYPE OF TRACK: MAIN
CLASS OF TRACK: 5
56 METHOD OF OPERATION: TRAFFIC CONTROL — MOVEMENTS INVOLVED: FREIGHT TRAIN X3240 49 MPH
EQUIPMENT DERAILED: 16 CAR(S)

PROBABLE CAUSE: A BROKEN CENTER SILL ON BOXCAR CR369647 ALLOWED DRAFT GEAR AND ATTACHMENTS TO DROP BETWEEN THE RAILS.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CNW	07/21/83	7:20 AM	WADSWORTH	IL	RAIL-HWY CROSSING	1	1	$379,679

TYPE OF TRACK: MAIN
CLASS OF TRACK: 3
57 METHOD OF OPERATION: AUTOMATIC BLOCK
TIME TABLE
TRAIN ORDERS
MOVEMENTS INVOLVED: FREIGHT TRAIN X992 30 MPH
EQUIPMENT DERAILED: 2 LOCOMOTIVE(S)
12 CAR(S)

PROBABLE CAUSE: THE FAILURE OF THE MOTOR VEHICLE OPERATOR TO STOP AT THE CROSSING.

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RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
SP	07/21/83	6:55 PM	WATTS	CA	HEAD-END COLLISION	0	6	$717,800

TYPE OF TRACK: MAIN
CLASS OF TRACK: 1
58 METHOD OF OPERATION: YARD RULES
MOVEMENTS INVOLVED: FREIGHT TRAIN X3346 2 MPH
FREIGHT TRAIN X3886 10
EQUIPMENT DERAILED: 1 LOCOMOTIVE(S)
2 CAR(S)

PROBABLE CAUSE: THE FAILURE OF BOTH TRAIN CREWS TO OPERATE THE TRAINS AT A SPEED THAT WOULD HAVE PERMITTED STOPPING WITHIN ONE-HALF THE RANGE OF VISION.

CONTRIBUTING FACTOR: TREES AND HOUSES ALONG THE RIGHT-OF-WAY, AND A 4-DEGREE, 30-MINUTE CURVE RESTRICTED THE TRAIN CREWS VIEW TO 1,000 FEET.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ICG/ ATK	07/28/83	9:48 AM	WILMINGTON	IL	RAIL-HWY CROSSING	0	61	$560,000

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
59 METHOD OF OPERATION: AUTOMATIC BLOCK
TIME TABLE
TRAIN ORDERS
MOVEMENTS INVOLVED: PASSENGER TRAIN 301 75 MPH
EQUIPMENT DERAILED: 1 LOCOMOTIVE(S)
3 CAR(S)

PROBABLE CAUSE: THE FAILURE OF THE MOTOR VEHICLE OPERATOR TO STOP AT THE CROSSING EVEN THOUGH THE AUTOMATIC FLASHERS AND BELLS INDICATED THE APPROACH OF A TRAIN.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ARR	07/29/83	2:15 PM	DOME	AK	DERAILMENT	0	0	$81,830

TYPE OF TRACK: MAIN
CLASS OF TRACK: 3
60 METHOD OF OPERATION: TIME TABLE
TRAIN ORDERS
MOVEMENTS INVOLVED: FREIGHT TRAIN X3013 36 MPH
EQUIPMENT DERAILED: 13 CAR(S)

PROBABLE CAUSE: IMPROPER TRAIN HANDLING AND EXCESSIVE SPEED. THE TRAIN WAS BEING OPERATED AT 36 MPH ON A 3-DEGREE CURVE THAT HAD A 30-MPH SPEED RESTRICTION. IMPROPER CONTROL OF THE TRAIN SLACK ACTION ON A 0.51-PERCENT GRADE.

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RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
SP	07/30/83	6:55 PM	FRANCIS	TX	RAIL-HWY CROSSING	3	1	$3,500

61
TYPE OF TRACK: MAIN
CLASS OF TRACK: 3
METHOD OF OPERATION: TRAFFIC CONTROL
EQUIPMENT DERAILED: NONE
MOVEMENTS INVOLVED: FREIGHT TRAIN X7840 40 MPH

PROBABLE CAUSE: THE FAILURE OF THE MOTOR VEHICLE OPERATOR TO STOP AT THE CROSSING.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BM	08/03/83	6:45 PM	GRANITEVILLE	MA	DERAILMENT	0	0	$125,000

62
TYPE OF TRACK: SIDING
CLASS OF TRACK: 2
METHOD OF OPERATION: TRAFFIC CONTROL
EQUIPMENT DERAILED: 5 CAR(S)
MOVEMENTS INVOLVED: FREIGHT TRAIN X312 28 MPH

PROBABLE CAUSE: THE HARMONIC ROCK-OFF OF TANK CAR GATX 98773. THE MAXIMUM AUTHORIZED SPEED IS 25 MPH.

CONTRIBUTING FACTOR: CHANGES IN CROSS-LEVEL AND GAGE WERE SUFFICIENT TO CAUSE HARMONIC ROCKING.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
SBD	08/04/83	3:15 PM	LONE STAR	SC	DERAILMENT	0	0	$900,140

63
TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
METHOD OF OPERATION: MANUAL BLOCK
TIME TABLE
TRAIN ORDERS
EQUIPMENT DERAILED: 42 CAR(S)
MOVEMENTS INVOLVED: FREIGHT TRAIN X8039 35 MPH

PROBABLE CAUSE: THE TRACK BUCKLED UNDER A TRAIN MOVEMENT. THE TEMPERATURE WAS 90 DEGREES F.

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RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
SP	08/06/83	3:10 PM	MOORPARK	CA	DERAILMENT	0	0	$376,995

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
64 METHOD OF OPERATION: AUTOMATIC BLOCK / TIME TABLE / TRAIN ORDERS
MOVEMENTS INVOLVED: FREIGHT TRAIN X7337 50 MPH
EQUIPMENT DERAILED: 16 CAR(S)

PROBABLE CAUSE: BUCKLED TRACK. THE TEMPERATURE WAS 107 DEGREES F.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CNW	08/10/83	4:45 PM	DEKALB	IL	DERAILMENT	0	0	$903,000

TYPE OF TRACK: MAIN
CLASS OF TRACK: 3
65 METHOD OF OPERATION: INTERLOCKING / TRAFFIC CONTROL
MOVEMENTS INVOLVED: FREIGHT TRAIN X6853 35 MPH
EQUIPMENT DERAILED: 26 CAR(S)

PROBABLE CAUSE: A ROLLER BEARING JOURNAL FAILURE AT THE R-3 LOCATION ON UP 39113, A HOPPER CAR.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
SP	08/11/83	8:15 PM	ENGLEWOOD YARD	TX	DERAILMENT	0	0	$57,600

TYPE OF TRACK: YARD
CLASS OF TRACK: 1
66 METHOD OF OPERATION: YARD RULES
MOVEMENTS INVOLVED: YARD/SWITCHING YD-JB 10 MPH
EQUIPMENT DERAILED: 19 CAR(S)

PROBABLE CAUSE: A DEFECTIVE LOCK-LIFT ANTI-CREEP ON BOXCAR UPFE 457956 ALLOWED THE CARS TO SEPARATE AND TO SUBSEQUENTLY COLLIDE AT AN UNCONTROLLED SPEED.

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RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
SBD	08/12/83	5:20 PM	CHARLOTTE	NC	REAR-END COLLISION	0	1	$110,000

TYPE OF TRACK: MAIN
CLASS OF TRACK: 2
67 METHOD OF OPERATION: TIME TABLE / TRAIN ORDERS
MOVEMENTS INVOLVED: FREIGHT TRAIN 496 0 MPH
LIGHT LOCO(S) 30
EQUIPMENT DERAILED: 2 LOCOMOTIVE(S), 4 CAR(S), 1 CABOOSE(S)

PROBABLE CAUSE: THE FAILURE OF THE ENGINEER AND THE BRAKEMAN TO PROPERLY SECURE THE LOCOMOTIVES BEFORE LEAVING THEM UNATTENDED.

CONTRIBUTING FACTOR: FAILURE OF THE CARRIER TO INSTALL THE APPROPRIATE SIZE DERAIL ON THE POCKET TRACK.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BN	08/13/83	6:15 PM	SHELBINA	MO	DERAILMENT	0	0	$820,800

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
68 METHOD OF OPERATION: TRAFFIC CONTROL
MOVEMENTS INVOLVED: FREIGHT TRAIN X8126 54 MPH
EQUIPMENT DERAILED: 40 CAR(S)

PROBABLE CAUSE: A PLAIN BEARING JOURNAL FAILURE AT THE R-4 LOCATION ON TRCX 134, A COVERED HOPPER CAR.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ARR	08/21/83	6:05 PM	WHITNEY	AK	DERAILMENT	0	0	$131,245

TYPE OF TRACK: MAIN
CLASS OF TRACK: 2
69 METHOD OF OPERATION: TIME TABLE / TRAIN ORDERS
MOVEMENTS INVOLVED: FREIGHT TRAIN X3009 25 MPH
EQUIPMENT DERAILED: 2 LOCOMOTIVE(S), 20 CAR(S)

PROBABLE CAUSE: EXCESSIVE LATERAL FORCES EXERTED AGAINST THE HIGH RAIL ON THE 10-DEGREE, 30-MINUTE CURVE BY THE LOCOMOTIVE CONSIST WERE SUFFICIENT TO DISPLACE AND OVERTURN THE RAIL.

CONTRIBUTING FACTOR: THE NO. 1 AXLE OF LOCOMOTIVE ARR 3007 HAD 0.78 INCH OF UNCONTROLLED LATERAL MOTION WHEN 0.75 INCH IS THE MAXIMUM PERMITTED BY FEDERAL REGULATION.

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RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ATSF	08/23/83	9:50 AM	COMANCHE	TX	OBSTRUCTION	0	3	$120,000

TYPE OF TRACK: MAIN
CLASS OF TRACK: 3
70 METHOD OF OPERATION: TRAFFIC CONTROL — MOVEMENTS INVOLVED: FREIGHT TRAIN X5104 40 MPH
EQUIPMENT DERAILED: 9 LOCOMOTIVE(S)

PROBABLE CAUSE: THE FAILURE OF BULLDOZER OPERATOR TO OBTAIN AUTHORITY BEFORE ATTEMPTING TO CROSS THE MAIN TRACK.

CONTRIBUTING FACTOR: THE BULLDOZER STALLED ON THE TRACK.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
SBD/ ATK	08/25/83	1:10 AM	ROWLAND	NC	RAIL-HWY CROSSING	0	46	$227,519

TYPE OF TRACK: MAIN
CLASS OF TRACK: 5
71 METHOD OF OPERATION: TRAFFIC CONTROL — MOVEMENTS INVOLVED: PASSENGER TRAIN 88 70 MPH
EQUIPMENT DERAILED: 2 LOCOMOTIVE(S)
2 CAR(S)

PROBABLE CAUSE: THE MOTOR VEHICLE OPERATOR FAILED TO CLEAR THE RAIL-HIGHWAY CROSSING WHEN THE TRAILER LODGED ON THE PAVEMENT.

CONTRIBUTING FACTOR: THE VEHICLE OPERATOR DID NOT USE THE AUTHORIZED DETOUR ROUTE.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ATSF	08/31/83	4:05 PM	FULLERVILLE	TX	DERAILMENT	0	0	$846,474

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
72 METHOD OF OPERATION: TRAFFIC CONTROL — MOVEMENTS INVOLVED: FREIGHT TRAIN X3812 54 MPH
EQUIPMENT DERAILED: 36 CAR(S)

PROBABLE CAUSE: A PLAIN BEARING JOURNAL FAILURE AT THE R-4 LOCATION ON ATSF 201239, A BULKHEAD FLATCAR.

CONTRIBUTING FACTOR: A PITTED JOURNAL CONDITION LED TO THE OVERHEATING AND SUBSEQUENT FAILURE.

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RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BO	09/02/83	3:30 PM	MURDOCK	IL	DERAILMENT	0	0	$301,927

TYPE OF TRACK: MAIN
CLASS OF TRACK: 2
73 METHOD OF OPERATION: TIME TABLE, TRAIN ORDERS
MOVEMENTS INVOLVED: FREIGHT TRAIN X4032 25 MPH
EQUIPMENT DERAILED: 11 CAR(S)

PROBABLE CAUSE: UNDETERMINED.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BN	09/11/83	9:45 AM	SAUNDERS	WI	DERAILMENT	0	1	$177,000

TYPE OF TRACK: MAIN
CLASS OF TRACK: 2
74 METHOD OF OPERATION: AUTOMATIC BLOCK, TIME TABLE, TRAIN ORDERS
MOVEMENTS INVOLVED: FREIGHT TRAIN X6824 25 MPH
EQUIPMENT DERAILED: 13 CAR(S)

PROBABLE CAUSE: SLACK ACTION IN THE TRAIN WAS SUFFICIENT TO CAUSE WHEEL LIFT ON THE 114TH CAR AT A 7-DEGREE CURVE ON A 0.5-PERCENT-DESCENDING GRADE.

CONTRIBUTING FACTOR: FULL DYNAMIC BRAKING AND AN 8-POUND REDUCTION WITH THE AUTOMATIC BRAKE VALVE TO REDUCE TRAIN SPEED FROM 35 MPH TO 25 MPH PRIOR TO ENTERING THE TURNOUT SWITCH.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
SP	09/12/83	4:30 PM	WEST PARK	TX	DERAILMENT	0	0	$242,500

TYPE OF TRACK: MAIN
CLASS OF TRACK: 2
75 METHOD OF OPERATION: TIME TABLE, TRAIN ORDERS
MOVEMENTS INVOLVED: FREIGHT TRAIN X7963 23 MPH
EQUIPMENT DERAILED: 15 CAR(S)

PROBABLE CAUSE: A BROKEN 90-POUND RAIL (HEAD AND WEB SEPARATION) AT A 90/136-POUND COMPROMISE JOINT.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ICG	09/13/83	3:35 AM	GREENDALE	IL	DERAILMENT	0	0	$491,000

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
76 METHOD OF OPERATION: AUTOMATIC BLOCK
TIME TABLE
TRAIN ORDERS
MOVEMENTS INVOLVED: FREIGHT TRAIN X2009 37 MPH
EQUIPMENT DERAILED: 23 CAR(S)

PROBABLE CAUSE: A ROLLER BEARING JOURNAL FAILURE FROM OVERHEATING AT THE R-2 LOCATION ON WEPX 340, A HIGH-SIDE, FIXED-END GONDOLA CAR.

CONTRIBUTING FACTOR: FAILURE OF THE TRAIN CREW TO INSPECT THE SUBJECT CAR WHEN THE TRAIN WAS STOPPED BY THE DEFECTIVE EQUIPMENT DETECTOR CENTER. FAILURE OF THE NEXT DEFECTIVE EQUIPMENT DETECTOR CENTER (22.9 MILES) TO NOTIFY THE TRAIN CREW OF A HIGH READING ON THE SUBJECT CAR AFTER THE TRAIN PASSED THAT LOCATION.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
SBD	09/14/83	5:35 AM	SULLIVAN	IN	REAR-END COLLISION	2	2	$823,828

TYPE OF TRACK: MAIN
CLASS OF TRACK: 3
77 METHOD OF OPERATION: TRAFFIC CONTROL
TRAIN ORDERS
MOVEMENTS INVOLVED: FREIGHT TRAIN X1751 18 MPH
FREIGHT TRAIN X8051 35
EQUIPMENT DERAILED: 3 LOCOMOTIVE(S)
30 CAR(S)
2 CABOOSE(S)

PROBABLE CAUSE: THE FAILURE OF THE CREW ON EXTRA 8051 NORTH TO OPERATE THE TRAIN IN ACCORDANCE WITH THE SIGNAL INDICATION.

CONTRIBUTING FACTOR: A PROBABLE CONTRIBUTING FACTOR WAS THE IMPAIRMENT OF THE ENGINEER AND THE FRONT BRAKEMAN (EXTRA 8051 NORTH) BY ALCOHOL; AND THE OPERATION OF THE LOCOMOTIVE BY THE FRONT BRAKEMAN, WHO WAS NOT QUALIFIED AS AN ENGINEER.

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RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CQ/ SBD/ DOT	09/15/83	7:50 AM	LEVISA	KY	RAIL-HWY CROSSING	0	0	$100

TYPE OF TRACK: MAIN
CLASS OF TRACK: 3
78 METHOD OF OPERATION: TRAFFIC CONTROL
MOVEMENTS INVOLVED: WORK TRAIN X7085 40 MPH

EQUIPMENT DERAILED: NONE

PROBABLE CAUSE: THE FAILURE OF THE OPERATOR OF THE MOTOR VEHICLE TO STOP AT THE CROSSING.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BN/ ATK	09/18/83	6:50 PM	FOXBORO	MN	RAIL-HWY CROSSING	3	0	$0

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
79 METHOD OF OPERATION: AUTOMATIC BLOCK
TIME TABLE
TRAIN ORDERS
MOVEMENTS INVOLVED: PASSENGER TRAIN 10 53 MPH

EQUIPMENT DERAILED: NONE

PROBABLE CAUSE: THE FAILURE OF THE OPERATOR OF A THREE-WHEEL CYCLE TO STOP AT THE CROSSING.

CONTRIBUTING FACTOR: VEHICLES APPROACHING FROM THE SOUTH HAD LIMITED VISIBILITY OF THE RAILROAD TRACK.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BN	09/19/83	4:25 AM	ST. MICHAEL	NE	DERAILMENT	0	0	$1,735,000

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
80 METHOD OF OPERATION: TRAFFIC CONTROL
EQUIPMENT DERAILED: 1 LOCOMOTIVE(S)
42 CAR(S)
MOVEMENTS INVOLVED: FREIGHT TRAIN X7275 42 MPH

PROBABLE CAUSE: A TRANSVERSE FISSURE BREAK IN THE 132-POUND CONTINUOUS WELDED RAIL UNDER THE TRAIN'S MOVEMENT.

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RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
MP	09/26/83	10:50 AM	MALVERN	AR	DERAILMENT	0	1	$0

TYPE OF TRACK: YARD
CLASS OF TRACK: 1
81 METHOD OF OPERATION: YARD RULES, TIME TABLE, TRAIN ORDERS
MOVEMENTS INVOLVED: YARD/SWITCHING X719 7 MPH
EQUIPMENT DERAILED: 1 CAR(S)

PROBABLE CAUSE: A WORN SWITCH POINT ALLOWED THE WHEELS OF MP 376237 TO CLIMB THE RAIL.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
SOO	09/29/83	2:55 AM	SPENCER	WI	DERAILMENT	0	0	$150,900

TYPE OF TRACK: MAIN
CLASS OF TRACK: 3
82 METHOD OF OPERATION: TRAFFIC CONTROL
MOVEMENTS INVOLVED: FREIGHT TRAIN X700 38 MPH
EQUIPMENT DERAILED: 2 LOCOMOTIVE(S), 8 CAR(S)

PROBABLE CAUSE: A BROKEN WHEEL DUE TO THERMAL CRACKS AT THE L-4 LOCATION ON LOCOMOTIVE NO. 2405.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
SP/ ATSF	10/10/83	6:33 AM	TEHACHAPI	CA	REAR-END COLLISION	0	0	$20,100

TYPE OF TRACK: MAIN
CLASS OF TRACK: 2
83 METHOD OF OPERATION: TRAFFIC CONTROL
MOVEMENTS INVOLVED: FREIGHT TRAIN X5996 0 MPH
FREIGHT TRAIN X9182 18
EQUIPMENT DERAILED: 6 CAR(S), 1 CABOOSE(S)

PROBABLE CAUSE: THE FAILURE OF THE SP CREW OF EXTRA 9182 EAST TO COMPLY WITH THE SIGNAL INDICATION.

CONTRIBUTING FACTOR: THE ENGINEER OF EXTRA 9182 EAST STATED THAT HE WAS ASLEEP.

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RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
KCS	10/17/83	12:50 PM	VIVIAN	LA	HEAD-END COLLISION	0	1	$2,111

TYPE OF TRACK: MAIN
CLASS OF TRACK: 3
84 METHOD OF OPERATION: TRAFFIC CONTROL
MOVEMENTS INVOLVED: FREIGHT TRAIN X676 37 MPH
SINGLE CAR 25
EQUIPMENT DERAILED: 1 CAR(S)

PROBABLE CAUSE: THE FAILURE OF THE TRACK FOREMAN TO OBTAIN PROPER AUTHORITY PRIOR TO OPERATING THE HIGHWAY-RAIL TRUCK ON THE MAIN TRACK. THE TRACK FOREMAN DID NOT HAVE A CURRENT LINEUP AS REQUIRED BY CARRIER RULES.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ATK	10/22/83	5:12 AM	LEVITTOWN	PA	REAR-END COLLISION	0	2	$0

TYPE OF TRACK: MAIN
CLASS OF TRACK: 6
85 METHOD OF OPERATION: TIME TABLE
TRAIN ORDERS
MOVEMENTS INVOLVED: WORK TRAIN X770 9 MPH
SINGLE CAR 0
EQUIPMENT DERAILED: NONE

PROBABLE CAUSE: THE FAILURE OF THE ENGINEER TO STOP THE SHOVING MOVEMENT WITHIN ONE-HALF THE DISTANCE GIVEN IN THE LAST RADIO COMMUNICATION.

CONTRIBUTING FACTOR: A DEFECTIVE RADIO ON LOCOMOTIVE NO. 770; FAILURE OF THE CONDUCTOR TO STOP THE MOVEMENT FROM THE CABOOSE.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
MNCW	10/22/83	10:20 AM	NEW YORK	NY	DERAILMENT	0	2	$47,460

TYPE OF TRACK: MAIN
CLASS OF TRACK: 3
86 METHOD OF OPERATION: INTERLOCKING
TIME TABLE
TRAIN ORDERS
MOVEMENTS INVOLVED: PASSENGER TRAIN 9016 25 MPH
EQUIPMENT DERAILED: 3 CAR(S)

PROBABLE CAUSE: A SHEARED-OFF PINION GEAR AT THE R-2 LOCATION ON LOCOMOTIVE NO. 5018 CAME TO REST ON THE TRACK STRUCTURE, DERAILING THE FIRST THREE CARS IN THE TRAIN.

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RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BN	10/22/83	10:45 PM	DALHART	TX	HEAD-END COLLISION	0	4	$2,470,000

TYPE OF TRACK: SIDING
CLASS OF TRACK: 4
87 METHOD OF OPERATION: YARD RULES
TIME TABLE
TRAIN ORDERS
EQUIPMENT DERAILED: 8 LOCOMOTIVE(S)
15 CAR(S)

MOVEMENTS INVOLVED: FREIGHT TRAIN X7019 0 MPH
FREIGHT TRAIN X7227 27

PROBABLE CAUSE: THE FAILURE OF THE HEAD BRAKEMAN OF EXTRA 7019 WEST TO CHECK THE POSITION OF THE SWITCH POINTS AFTER OPERATING THE SWITCH.

CONTRIBUTING FACTOR: THE FAILURE OF THE CREW OF EXTRA 7227 EAST TO OPERATE THE TRAIN AT A RESTRICTED SPEED.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BN	10/24/83	5:37 PM	HEMINGFORD	NE	DERAILMENT	0	1	$1,443,000

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
88 METHOD OF OPERATION: TRAFFIC CONTROL
EQUIPMENT DERAILED: 46 CAR(S)

MOVEMENTS INVOLVED: FREIGHT TRAIN X7004 45 MPH
FREIGHT TRAIN X7232 0

PROBABLE CAUSE: A BROKEN R4 WHEEL ON SEPX 101958, A GONDOLA CAR, IN EXTRA 7004 EAST.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ATSF	10/27/83	3:35 AM	RICARDO	NM	DERAILMENT	0	0	$620,500

TYPE OF TRACK: MAIN
CLASS OF TRACK: 5
89 METHOD OF OPERATION: TRAFFIC CONTROL
EQUIPMENT DERAILED: 28 CAR(S)

MOVEMENTS INVOLVED: FREIGHT TRAIN 901Y8 53 MPH

PROBABLE CAUSE: A BROKEN 136-POUND RAIL DUE TO A DETAIL FRACTURE ON THE GAGE SIDE.

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RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BM	10/31/83	4:57 PM	STOUGHTON	MA	DERAILMENT	0	0	$6,300

TYPE OF TRACK: SIDING
CLASS OF TRACK: 2
90 METHOD OF OPERATION: MANUAL BLOCK
TIME TABLE
TRAIN ORDERS
EQUIPMENT DERAILED: 1 LOCOMOTIVE(S)
1 CAR(S)

MOVEMENTS INVOLVED: PASSENGER TRAIN 851 25 MPH

PROBABLE CAUSE: A SWITCH IMPROPERLY LINED BY PERSON(S) UNKNOWN.

CR/ SEPT	11/03/83	1:00 AM	LANSDALE	PA	REAR-END COLLISION	0	2	$128,704

TYPE OF TRACK: YARD
CLASS OF TRACK: 3
91 METHOD OF OPERATION: TRAFFIC CONTROL
EQUIPMENT DERAILED: 3 LOCOMOTIVE(S)

MOVEMENTS INVOLVED: FREIGHT TRAIN WPLA 13 MPH
PASSENGER TRAIN 428 0

PROBABLE CAUSE: THE CONRAIL CREW FAILED TO OPERATE THE TRAIN IN ACCORDANCE WITH THE SIGNAL INDICATION.

CONTRIBUTING FACTOR: THE SEPTA TRAIN CREW FAILED TO LINE THE SWITCH FOR NORMAL OPERATIONS ON THE MAIN TRACK.

NW/ CR	11/08/83	9:01 AM	BENSON	OH	REAR-END COLLISION	0	4	$130,000

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
92 METHOD OF OPERATION: TRAFFIC CONTROL
EQUIPMENT DERAILED: 10 CAR(S)

MOVEMENTS INVOLVED: FREIGHT TRAIN X2324 0 MPH
FREIGHT TRAIN X6280 38

PROBABLE CAUSE: THE TRAIN CREW OF EXTRA 6280 EAST FAILED TO OPERATE THE TRAIN IN ACCORDANCE WITH THE SIGNAL INDICATION.

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RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
NW	11/09/83	7:35 AM	RICHLANDS	VA	RAIL-HWY CROSSING	0	12	$50

TYPE OF TRACK: MAIN
CLASS OF TRACK: 2
93 METHOD OF OPERATION: TRAFFIC CONTROL MOVEMENTS INVOLVED: FREIGHT TRAIN X6110 10 MPH
EQUIPMENT DERAILED: NONE

PROBABLE CAUSE: THE FAILURE OF THE MOTOR VEHICLE OPERATOR TO STOP AT THE CROSSING.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ATSF	11/09/83	2:44 PM	GLORIETA	NM	DERAILMENT	0	0	$69,601

TYPE OF TRACK: MAIN
CLASS OF TRACK: 2
94 METHOD OF OPERATION: TRAFFIC CONTROL MOVEMENTS INVOLVED: FREIGHT TRAIN X5128 26 MPH
EQUIPMENT DERAILED: 22 CAR(S)

PROBABLE CAUSE: EXCESSIVE SLACK ACTION WAS SUFFICIENT TO CAUSE THE 28TH THROUGH THE 49TH CARS TO DERAIL.

CONTRIBUTING FACTOR: A DEFECTIVE P2A APPLICATION VALVE ON THE FIRST REMOTE CONTROL LOCOMOTIVE.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
SP/ ATK	11/09/83	10:32 PM	HOUSTON	TX	DERAILMENT	0	3	$6,300

TYPE OF TRACK: MAIN
CLASS OF TRACK: 1
95 METHOD OF OPERATION: INTERLOCKING MOVEMENTS INVOLVED: PASSENGER TRAIN 1 10 MPH
EQUIPMENT DERAILED: 3 CAR(S)

PROBABLE CAUSE: WIDE GAGE IN THE TURNOUT SIDE OF THE 119-POUND, NO. 9 CROSSOVER.

CONTRIBUTING FACTOR: THE MUDDY CONDITION OF THE BALLAST DID NOT PROVIDE THE REQUIRED TRACK STABILITY.

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RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CR	11/11/83	11:22 AM	MILLBURY	OH	SIDE COLLISION	1	3	$2,368,097

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
96 METHOD OF OPERATION: TRAFFIC CONTROL
MOVEMENTS INVOLVED: FREIGHT TRAIN X6604 30 MPH
FREIGHT TRAIN X3190 65
EQUIPMENT DERAILED: 4 LOCOMOTIVE(S)
31 CAR(S)

PROBABLE CAUSE: THE FAILURE OF THE CREW OF EXTRA 3190 EAST TO OPERATE THE TRAIN IN ACCORDANCE WITH SPECIAL INSTRUCTIONS CONCERNING SIGNALS.

CONTRIBUTING FACTOR: THE SIGNAL ASPECT WAS NOT VISIBLE BECAUSE A SNOWSTORM HAD ENCRUSTED THE LENSES WITH ICE.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CSS	11/11/83	11:25 AM	WILSON	IN	RAIL-HWY CROSSING	0	21	$241,724

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
97 METHOD OF OPERATION: AUTOMATIC BLOCK
TIME TABLE
TRAIN ORDERS
MOVEMENTS INVOLVED: PASSENGER TRAIN 109 60 MPH

EQUIPMENT DERAILED: NONE

PROBABLE CAUSE: THE MOTOR VEHICLE OPERATOR FAILED TO STOP AT THE CROSSING.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
MP/ ATK	11/12/83	10:10 AM	WOODLAWN	TX	DERAILMENT	4	77	$2,122,500

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
98 METHOD OF OPERATION: TRAFFIC CONTROL
MOVEMENTS INVOLVED: PASSENGER TRAIN 21 72 MPH
EQUIPMENT DERAILED: 8 CAR(S)

PROBABLE CAUSE: A BROKEN 136-POUND RAIL.

CONTRIBUTING FACTOR: CUTTING THE CHROME-VANADIUM HIGH-CARBON-STEEL RAIL WITH A TORCH AND NOT PLACING A SLOW ORDER BY THE MAINTENANCE-OF-WAY EMPLOYEES.

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RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BN	11/13/83	12:01 AM	ASHTOLA	TX	DERAILMENT	0	0	$3,027,000

99	TYPE OF TRACK: MAIN CLASS OF TRACK: 4 METHOD OF OPERATION: TIME TABLE TRAIN ORDERS EQUIPMENT DERAILED: 5 LOCOMOTIVE(S) 73 CAR(S)	MOVEMENTS INVOLVED:	FREIGHT TRAIN	X8000	51 MPH

PROBABLE CAUSE: DETAIL FRACTURE IN THE 112-POUND JOINTED RAIL.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
KCS	11/16/83	2:50 PM	HAMMOCK	LA	REAR-END COLLISION	1	7	$2,038,850

100	TYPE OF TRACK: MAIN CLASS OF TRACK: 3 METHOD OF OPERATION: TIME TABLE TRAIN ORDERS EQUIPMENT DERAILED: 5 LOCOMOTIVE(S) 7 CAR(S)	MOVEMENTS INVOLVED:	FREIGHT TRAIN CUT OF CARS	X769	35 MPH 0

PROBABLE CAUSE: SWITCH NOT PROPERLY LINED BY MAINTENANCE-OF-WAY EMPLOYEES.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ATSF	11/17/83	2:15 AM	SCHOOLE	NM	BROKEN TRAIN COLLISION	0	0	$1,880,900

101	TYPE OF TRACK: MAIN CLASS OF TRACK: 3 METHOD OF OPERATION: TRAFFIC CONTROL EQUIPMENT DERAILED: 55 CAR(S)	MOVEMENTS INVOLVED:	FREIGHT TRAIN	X8068	45 MPH

PROBABLE CAUSE: THE TRAIN CREW FAILED TO CHECK THE DRAFT COUPLING BETWEEN THE CARS AFTER COUPLING THE AIR HOSE THREE TIMES.

CONTRIBUTING FACTOR: A BROKEN COUPLER KNUCKLE ON THE TRAILING END OF THE 53RD CAR.

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RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
UP	11/17/83	2:45 AM	CRUCERO	CA	DERAILMENT	0	1	$160,700

102	TYPE OF TRACK: MAIN CLASS OF TRACK: 4 METHOD OF OPERATION: TRAFFIC CONTROL EQUIPMENT DERAILED: 11 CAR(S)	MOVEMENTS INVOLVED:	FREIGHT TRAIN	X3428	47 MPH

PROBABLE CAUSE: A BROKEN AXLE ON CAR UP 36179

SP	11/19/83	5:30 AM	ELDON	TX	REAR-END COLLISION	4	1	$470,000

103	TYPE OF TRACK: MAIN CLASS OF TRACK: 2 METHOD OF OPERATION: TIME TABLE YARD RULES EQUIPMENT DERAILED: 1 LOCOMOTIVE(S) 5 CAR(S) 1 CABOOSE(S)	MOVEMENTS INVOLVED:	FREIGHT TRAIN CUT OF CARS	190	20 MPH 0

PROBABLE CAUSE: THE CREW OF TRAIN NO. 190 FAILED TO OPERATE THE TRAIN IN ACCORDANCE WITH SPEED RESTRICTIONS WITHIN YARD LIMITS AND STRUCK CARS THAT WERE LEFT STANDING WITHOUT PROTECTION ON THE MAIN TRACK.

MKT/ MP	11/19/83	8:55 PM	WAGONER	OK	RR GRADE CROSSING	0	1	$17,500

104	TYPE OF TRACK: MAIN CLASS OF TRACK: 3 METHOD OF OPERATION: INTERLOCKING EQUIPMENT DERAILED: 1 LOCOMOTIVE(S)	MOVEMENTS INVOLVED:	FREIGHT TRAIN FREIGHT TRAIN	101 KL19	15 MPH 0

PROBABLE CAUSE: THE CREW OF MP TRAIN NO. KL19 FAILED TO OPERATE THE TRAIN IN ACCORDANCE WITH THE SIGNAL INDICATION.

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RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
KCS	11/27/83	10:15 AM	NEAL SPRINGS	AR	DERAILMENT	0	1	$480,000

105
TYPE OF TRACK: MAIN
CLASS OF TRACK: 2
METHOD OF OPERATION: TRAFFIC CONTROL
EQUIPMENT DERAILED: 4 LOCOMOTIVE(S), 16 CAR(S)
MOVEMENTS INVOLVED: FREIGHT TRAIN X662 32 MPH

PROBABLE CAUSE: INTERACTION OF LATERAL/VERTICAL FORCES.

CONTRIBUTING FACTOR: EXCESSIVE SPEED. (MAXIMUM AUTHORIZED SPEED WAS 25 MPH.)

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
SP	11/28/83	12:45 AM	MIDLAND	LA	DERAILMENT	0	0	$1,613,400

106
TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
METHOD OF OPERATION: AUTOMATIC BLOCK, TIME TABLE, TRAIN ORDERS
EQUIPMENT DERAILED: 38 CAR(S)
MOVEMENTS INVOLVED: FREIGHT TRAIN AVBAT 55 MPH

PROBABLE CAUSE: THE NO. 1 SWITCH ROD BROKE.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
SBD/ ATK	11/30/83	2:45 PM	SPARR	FL	RAIL-HWY CROSSING	0	16	$54,700

107
TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
METHOD OF OPERATION: TRAFFIC CONTROL, TRAIN ORDERS
EQUIPMENT DERAILED: 1 LOCOMOTIVE(S), 4 CAR(S)
MOVEMENTS INVOLVED: PASSENGER TRAIN 98 30 MPH

PROBABLE CAUSE: INSUFFICIENT CLEARANCE BETWEEN THE BOTTOM OF THE TRACTOR-TRAILER AND THE ROAD SURFACE AT THE CROSSING.

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RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
CR	11/30/83	5:25 PM	LANCASTER	NY	RAIL-HWY CROSSING	0	0	$4,350

TYPE OF TRACK: MAIN
CLASS OF TRACK: 5
108 METHOD OF OPERATION: TRAFFIC CONTROL MOVEMENTS INVOLVED: FREIGHT TRAIN TV12P 3 MPH
EQUIPMENT DERAILED: NONE

PROBABLE CAUSE: THE TRUCK WAS STUCK ON THE CROSSING BECAUSE OF A HEAVY ACCUMULATION OF SNOW.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
SP/ ATK	12/05/83	5:25 PM	EL PASO	TX	DERAILMENT	0	0	$49,000

TYPE OF TRACK: MAIN
CLASS OF TRACK: 1
109 METHOD OF OPERATION: INTERLOCKING MOVEMENTS INVOLVED: PASSENGER TRAIN 2 10 MPH
EQUIPMENT DERAILED: 3 CAR(S)

PROBABLE CAUSE: EXCESSIVE VERTICAL/LATERAL FORCES ON A LONG-WHEEL-BASE CAR CREATED BY A 1.05-PERCENT GRADE AND A NO. 10 TURNOUT.

CONTRIBUTING FACTOR: A WORN SWITCH POINT AND A RIDGE OF METAL ON THE WHEEL OF COACH NO. 34096 WERE CONTRIBUTING FACTORS.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
MNCW	12/09/83	7:45 AM	WOODLAWN	NY	OBSTRUCTION	0	4	$8,000

TYPE OF TRACK: MAIN
CLASS OF TRACK: 4
110 METHOD OF OPERATION: AUTOMATIC BLOCK MOVEMENTS INVOLVED: PASSENGER TRAIN 516 40 MPH
TIME TABLE
TRAIN ORDERS
EQUIPMENT DERAILED: 1 LOCOMOTIVE(S)

PROBABLE CAUSE: WHILE A CRANE OPERATOR WAS LIFTING SOME SCAFFOLDING, THE LOAD SHIFTED CAUSING THE CRANE TO TURN ON ITS SIDE; AND THE BOOM FOULED THE MAIN TRACK.

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RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
ICG	12/14/83	2:40 AM	TUSCOLA	IL	DERAILMENT	0	2	$96,275

	TYPE OF TRACK:	MAIN			
	CLASS OF TRACK:	5			
111	METHOD OF OPERATION:	AUTOMATIC BLOCK	MOVEMENTS INVOLVED:	FREIGHT TRAIN	X9616 25 MPH
		TIME TABLE		FREIGHT TRAIN	X9514 0
		TRAIN ORDERS			
	EQUIPMENT DERAILED:	6 CAR(S)			
		1 CABOOSE(S)			

PROBABLE CAUSE: THE SWITCH POINTS OPENED UNDER THE TRAIN.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
MP	12/17/83	11:15 AM	HOLLYWOOD JCT	LA	DERAILMENT	1	0	$5,500

	TYPE OF TRACK:	SIDING			
	CLASS OF TRACK:	1			
112	METHOD OF OPERATION:	YARD RULES	MOVEMENTS INVOLVED:	FREIGHT TRAIN	XFR 7 MPH
	EQUIPMENT DERAILED:	1 CAR(S)			

PROBABLE CAUSE: THE DERAILMENT WAS CAUSED BY A RAIL MISMATCH AT A JOINT.

RR CODE	DATE	TIME	CITY	STATE	ACCIDENT TYPE	KILLED	INJURED	RR DAMAGE
BN	12/31/83	10:32 PM	WILLBRIDGE	OR	DERAILMENT	2	0	$200,000

	TYPE OF TRACK:	MAIN			
	CLASS OF TRACK:	3			
113	METHOD OF OPERATION:	INTERLOCKING	MOVEMENTS INVOLVED:	FREIGHT TRAIN	X2716 9 MPH
		AUTOMATIC BLOCK			
		TIME TABLE			
		TRAIN ORDERS			
	EQUIPMENT DERAILED:	1 LOCOMOTIVE(S)			

PROBABLE CAUSE: THE FAILURE OF THE CREW TO OPERATE THE TRAIN IN ACCORDANCE WITH SIGNAL INDICATIONS AND THE INOPERATIVE DERAIL AT THE END OF THE BRIDGE.

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